

ABSTRACT OF THE DISCLOSURE

There is disclosed a gas barrier film having, as a base film, a polypropylene film, which makes it possible to take advantage of the excellent gas barrier property inherent to an SiO_x thin film formed on the polypropylene film, and which is free from chlorine which would give a bad influence to the environment. This gas barrier film comprises a polypropylene film whose surface is bonded with tuning molecular chains having, as a main skeleton, an $-\text{O}-\text{Si}-\text{O}-$ structure by enabling the oxygen ($-\text{O}-$) thereof to be bonded to carbon atoms of the surface of the polypropylene film, and an SiO_x thin film formed on the surface of the polypropylene film where the tuning molecular chains are bonded, the SiO_x thin film being bonded to the tuning molecular chains interposed between the polypropylene film and the SiO_x thin film.

10058925-013002